What is claimed is:

1. A method of monitoring by a monitoring system a data system among a plurality of data systems connected to a user system among a plurality of user systems all of which systems are interconnected through a network, the method comprising the steps of,

    receiving search criteria from the user system,

    retrieving content data from the data system,

    repeating the retrieving step at regular intervals,

    determining matches for each of the retrieving steps when the content data matches the search criteria at each of the regular intervals, and

    reporting the matches to the user system.

2. The method of claim 1 wherein,

    the content data is web content data,

    the data systems are web servers storing the web content data,

    the network is the internet, the web server having a web site location identified by a uniform resource locator (URL) that indicates the web content data,

    the user system comprises a web browser for communication with the monitoring system over the internet, and

    the monitoring system is a web monitoring server for receiving the search criteria from the user browser and for accessing the web content data of the web server.

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3. The method of claim 1 wherein,

    the search criteria comprises a sleep interval indicating a time duration between the regular intervals.

4. The method of claim 1 wherein,

    the search criteria indicates keywords,

    the matches are keywords matches.

5. The method of claim 1 wherein,

    the search criteria comprises keywords, and

    the search criteria comprises a Boolean expression,

    the matching step determines when the content data matches the Boolean expression of the keywords as Boolean keyword matches.

6. The method of claim 1 wherein,

    content data is a character string comprising text words,

    the search criteria comprises a sleep interval indicating a time duration between the regular intervals,

    the search criteria comprises keywords, and

    the matches are keyword matches to the text words.

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7. The method of claim 1 wherein

content data is a character string comprising text words and formatting characters and strings of spaces,

the search criteria comprises a sleep interval indicating a time duration between the regular intervals and comprises keywords, and

the matches are keyword matches to the text words,

the method further comprising the steps of,

stripping the text words from the character string, the matching step matches the keywords to the text words for keywords matches.

8. The method of claim 7 wherein the stripping step,

the character string contain formatting characters that are removed form the character string leaving the text words.

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9. The method of claim 1 wherein,

content data is a character string comprising text words and formatting characters and strings of spaces,

the search criteria comprises a sleep interval indicating a time duration between the regular intervals and comprises keywords and comprises a Boolean expression, and

the matches are Boolean keyword matches of the Boolean expression of the keywords to the text words,

the matching step matches the Boolean expression of the keywords to the text words for the Boolean keywords matches,

the method further comprising the steps of,

stripping the text words from the character string into a formatted string,

storing the formatted string for each of the retrieval steps when the formatted string has changed since a last one of the retrieval steps,

counting the number of keywords in the formatted string for each of the retrieval steps for providing keyword counts, and

the reporting step reports for each of the retrieval step when the formatted string has changed and when the keywords counts have changed in the content data since a previous one of the retrieval steps.

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10. The method of claim 1 wherein,

the content data is top level content data,

the top level content data is a character string comprising text words and formatting characters and strings of spaces and links for linkage to linked content data, the linked content data also comprising text words and formatting characters and strings of spaces, the linked content data being at a linked depth from the top level content data for each linkage through a link to another one of the linked content data,

the search criteria comprises a sleep interval indicating a time duration between the regular intervals and comprises keywords and comprises a crawling depth for retrieving the top level content data and linked content data to the linked depth of linked content data indicated by the crawling depth,

the matches are keyword matches to the text words,

the method further comprising the steps of,

stripping the text words from the character string for the top level content data into a top level formatted string,

determining a change in the top level formatted string since a previous one of the retrieval steps,

storing the top level formatted string when there is a change in the top level formatted string since the previous one of the retrieval steps,

determining a change in a number of keywords in the top level content data, the matching step matches the keywords to the text words in the top level formatted string,

stripping the text words from the character string for the linked content data to the crawling depth, and

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counting the number of keywords in the formatted strings for the top level content data and the linked content data to the crawling depth when there is a change in the number of keyword matches in the top level content data for providing keyword counts, the reporting step reports the keywords counts.

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11. The method of claim 1 wherein,

the content data is top level content data,

the top level content data is a character string comprising text words and formatting characters and strings of spaces and links for linkage to linked content data, the linked content data also comprising text words and formatting characters and strings of spaces, linked content data being at a linked depth from the top level content data for each linkage through a link to another one of the linked content data,

the search criteria comprises a sleep interval indicating a time duration between the regular intervals and comprises keywords and comprises a Boolean expression and comprises a crawling depth for retrieving the top level content data and linked content data to the linked depth of linked content data indicated by the crawling depth,

the matches are Boolean keyword matches of the Boolean expression and the keywords to the text words,

the method further comprising the steps of,

stripping the text words from the character string for the top level content data into a top level formatted string,

determining a change in the top level formatted string since a previous one of the retrieval steps,

storing the top level formatted string when there is a change in the top level formatted string since the previous one of the retrieval steps,

determining a change in a number of keywords in the top level content data, the matching step matches the keywords to the text words in the top level formatted string,

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stripping the text words from the character string for the

linked content data to the crawling depth, and

counting the number of keywords in the formatted strings for

the top level content data and the linked content data to the

crawling depth when there is a change in the number of keyword

matches in the top level content data for providing keyword counts,

the reporting step reports the keywords counts.

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12. A method of monitoring by a monitoring server web content data
of a web server system among a plurality of web servers connected
to a user system among a plurality of user systems having
respective user browsers, all of which are interconnected through
the internet using internet protocol addresses, the web content
data indicated by a URL a portion of which indicates the web server
the method comprising the steps of

receiving search criteria from the user system, the search
criteria comprises keywords and comprises a crawling depth for
retrieving top level content data and linked content data to the
linked depth of the linked content data indicated by the crawling
depth,

retrieving top level content data and the linked content
data from the data system, the top level content data is a
character string comprising text words and formatting characters
and strings of spaces and links for linkage to linked content data,
the linked content data also comprising text words and formatting
characters and strings of spaces,

determining matches when the top level content data matches
the search criteria, and

reporting the top level matches to the user system.

13. The method of claim 12, wherein the determining step further
determines keyword matches to the linked content data.

14. The method of claim 12, wherein the determining step further
determines keyword count of the keywords in the linked content
data.

1 15. A method of monitoring by a monitoring server web content data

2 of a web server system among a plurality of web servers connected

3 to a user system among a plurality of user systems having

4 respective user browsers, all of which are interconnected through

5 the internet using internet protocol addresses, the web content

6 data indicated by a URL a portion of which indicates the web server

7 the method comprising the steps of,

8   receiving search criteria from a user system, the search

9 criteria comprising a URL to be monitored, a sleep interval,

10 keywords and a Boolean expression,

11   retrieving the web content data indicated by the URL from the

12 web server,

13   repeating the retrieving step at regular intervals indicated by

14 the sleep interval,

15   determining Boolean keyword matches of the web content data

16 after the retrieving step for the Boolean expression and keywords,

17 and

18   reporting to the user system of the Boolean keyword matches.

19 the content data is top level content data, the top level content

20 data is a character string comprising text words and formatting

21 characters and strings of spaces and links for linkage to linked

22 content data, the linked content data also comprising text words

23 and formatting characters and strings of spaces, linked content

24 data being at a linked depth from the top level content data for

25 each linkage through a link to another one of the linked content

26 data.

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16. The method of claim 15 wherein,

the search criteria comprises a sleep interval indicating a time duration between the regular intervals and comprises keywords and comprises a Boolean expression and comprises a crawling depth for retrieving the top level content data and linked content data to the linked depth of linked content data indicated by the crawling depth,

the matches are Boolean keyword matches of the Boolean expression and the keywords to the text words,

the method further comprising the steps of,

stripping the text words from the character string for the top level content data into a top level formatted string,

determining a change in the top level formatted string since a previous one of the retrieval steps,

storing the top level formatted string when there is a change in the top level formatted string since the previous one of the retrieval steps,

determining a change in a number of keywords in the top level content data, the matching step matches the keywords to the text words in the top level formatted string,

stripping the text words from the character string for the linked content data to the crawling depth, and

counting the number of keywords in the formatted strings for the top level content data and the linked content data to the crawling depth when there is a change in the number of keyword matches in the top level content data for providing keyword counts, the reporting step reports the keywords counts.

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17. The method of claim 16 wherein the reporting step comprises the steps of,

   providing the user with a notification through the internet of keyword matches,

   storing keywords counts for the keywords for the respective top level web content data and the linked content data,

   receiving a display request from the user system through the internet, and

   communicating through the internet to the user system display data for displaying on the user system indication of the keyword counts.

18. The method of claim 16 wherein the formatting characters comprises HTML tag characters.

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